Amendments to the Claims

The listing of claims will replace all prior versions, and listings, of claims in the application. Please amend the claims as follows:

Listing of Claims:

1. (Cancelled)

2. (Currently Amended) The positioning system as set forth in claim ~~1~~ 14, ~~further comprising~~ wherein the user application process further accesses the RTOS through an application programming interface (API) stored on the computer readable medium, said API ~~configured to access the positioning data as instructed by the user application code~~ comprising a plurality of functions accessible by the user application process.

3. (Original) The positioning system as set forth in claim 2, wherein the API comprises a plurality of objects.

4. (Cancelled)

5. (Original) The positioning system as set forth in claim 2, wherein the firewall comprises a virtual machine.

6. (Cancelled)

7 – 13. (Cancelled)

14. (New) A positioning system, comprising a computer processor operable under the control of a real time operating system (RTOS) to perform (i) position signal processing in accordance with first computer-readable instructions embodied as a GPS process stored on a computer-readable medium communicatively coupled to the computer processor, and (ii) user application processing in accordance with second computer-readable instructions embodied as a user application process stored on the computer-readable medium, wherein the user application process has a lower

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priority than the GPS process for execution by the RTOS and access the RTOS through a firewall stored on the computer-readable medium and configured to prevent the user application process from interfering with data utilized by the GPS process.

15. (New) The positioning system as set forth in claim 5, wherein the firewall comprises a Java virtual machine.

16. (New) The positioning system as set forth in claim 3, wherein the objects comprise Java objects.

17. (New) The positioning system as set forth in claim 3, wherein the objects comprise objects used to acquire time information from GPS signals.

18. (New) The positioning system as set forth in claim 3, wherein the objects comprise GPSfix objects.

19. (New) The positioning system as set forth in claim 18, wherein the GPSfix objects comprise simfix objects.